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January 1965

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PHOTOGRAPHIC INTERPRETATION REPORT

PROBABLE AMM LAUNCH COMPLEXES  
LENINGRAD, USSR  
CHANGES AND ADDITIONS



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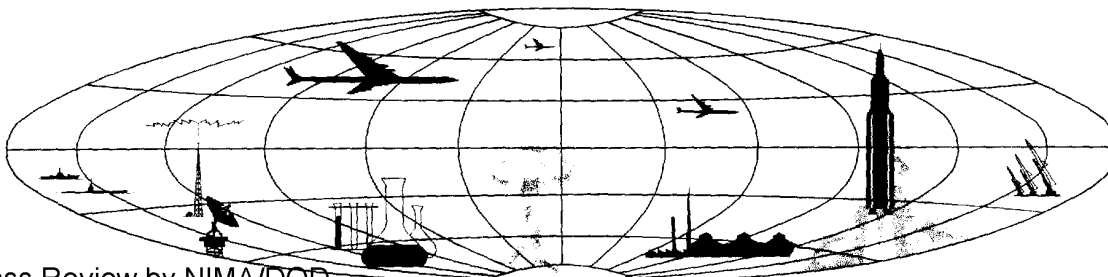


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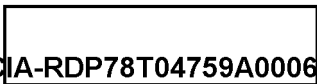
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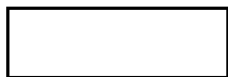
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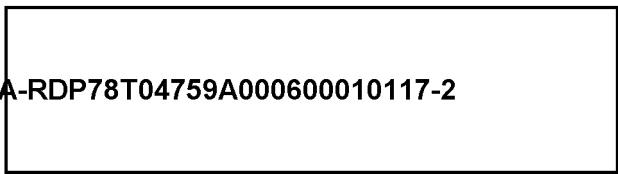
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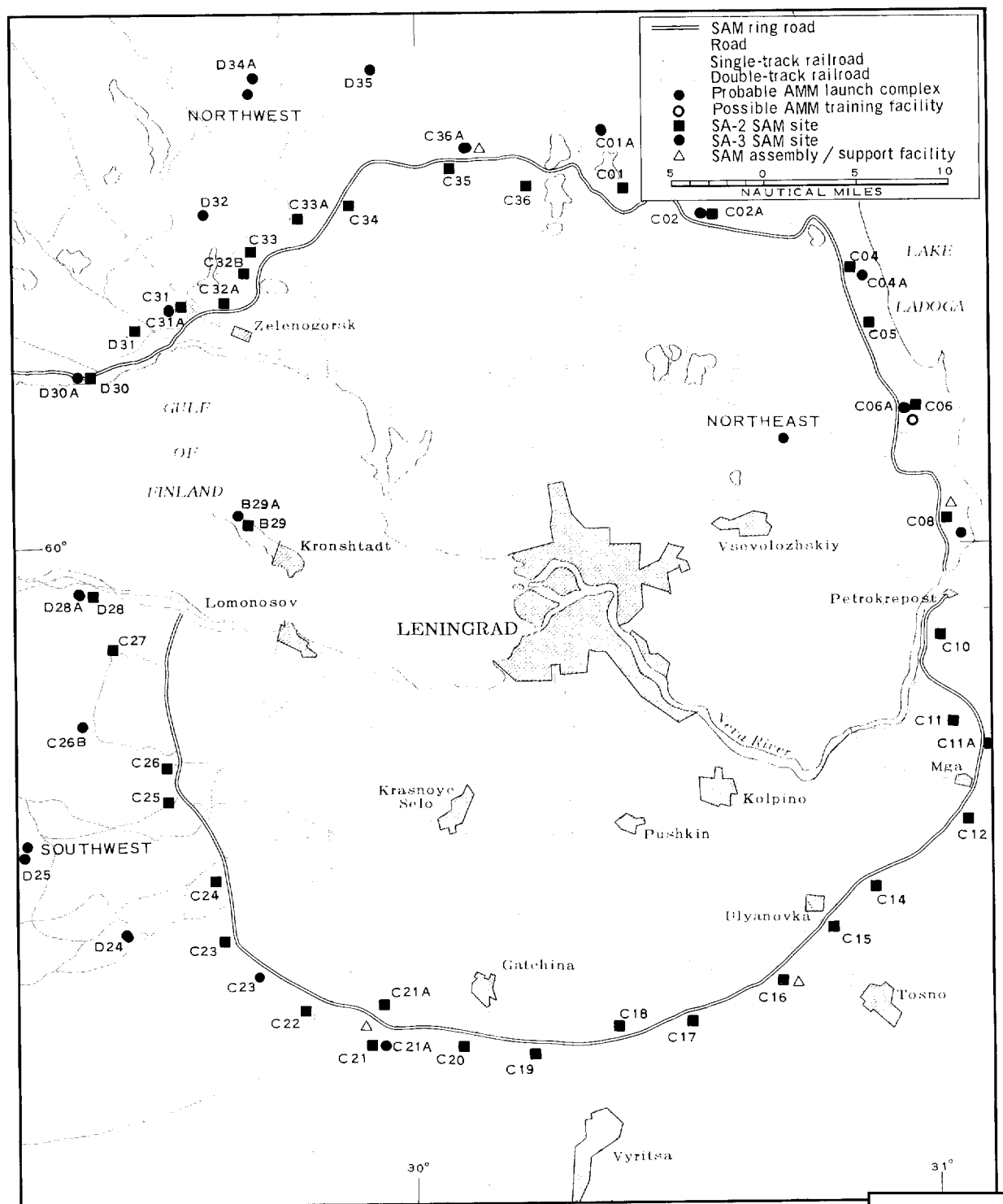


FIGURE 1. PROBABLE AMM LAUNCH COMPLEXES AND SAM INSTALLATIONS NEAR LENINGRAD, USSR.

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## INTRODUCTION

This report was prepared in response to CIA/ORR requirements C-RR4-81,929 and C-RR4-81,929 (Supplement 1) for specific mensuration, and for a description of recent construction activity observed on [ ] photography at the Leningrad Northwest and Northeast Probable AMM Launch Complexes. The Northwest Complex [ ] is located at 60-27-00N 29-44-10E (Figure 1), 37 nautical miles (nm) northwest of Leningrad, and the Northeast Complex [ ] at 60-05-20N 30-44-00E, 16 nm northeast of Leningrad. [ ] photography of these complexes (Figures 2, 4, 7) and sequential photography of areas where significant activity has recently occurred (Figures 3 and 5) are included to show their current status and the chronology of the new developments.

No significant new activity is apparent on [ ] photography of the Leningrad Southwest Complex (Figure 7). Relatively larger scale [ ] photo coverage of the Electronic Area at this complex is shown for comparative purposes. The Leningrad Southwest Probable AMM Launch Complex [ ] at 59-43-00N 29-18-30E, is located 33 nm southwest of Leningrad.

Early history of the 3 Leningrad complexes and their chronological development through [ ] as observed on [ ] photography, was described in previous NPIC reports. 1/ 2/

A subsequent NPIC report was published on each of the 3 complexes 3/, 4/, 5/ to show changes, additions, and more detailed information revealed by larger scale [ ] photography of [ ]. The report published concerning the Northwest Complex 5/ also included changes observed on [ ] photography of [ ].

## NORTHWEST COMPLEX

The Northwest Complex was next covered by photography of [ ] when interpretation was limited by atmospheric haze and poor image quality.

[ ] photography revealed that earth mounding of the Probable Control Center at the Northwest Complex had progressed since [ ]. The roof is completely covered and appears gray in tone. Its western wall extends above the roof level and an entrance is located on the northern side of the mounded structure (Figure 3). The area adjacent to the west of the Probable Control Center has been further leveled since [ ] and now appears smooth surfaced and is also gray in tone.

No change is apparent in the elevated structures at the outrigger positions northeast and southwest of the Probable Control Center.

Activity of an undetermined nature has occurred in the vicinity of the Site Control Building at Launch Site A. No further changes or additions are discernible within the Launch Area of the complex.



Distances from this centrally located area to the centers of the launch sites are included in a schematic drawing (Figure 6).

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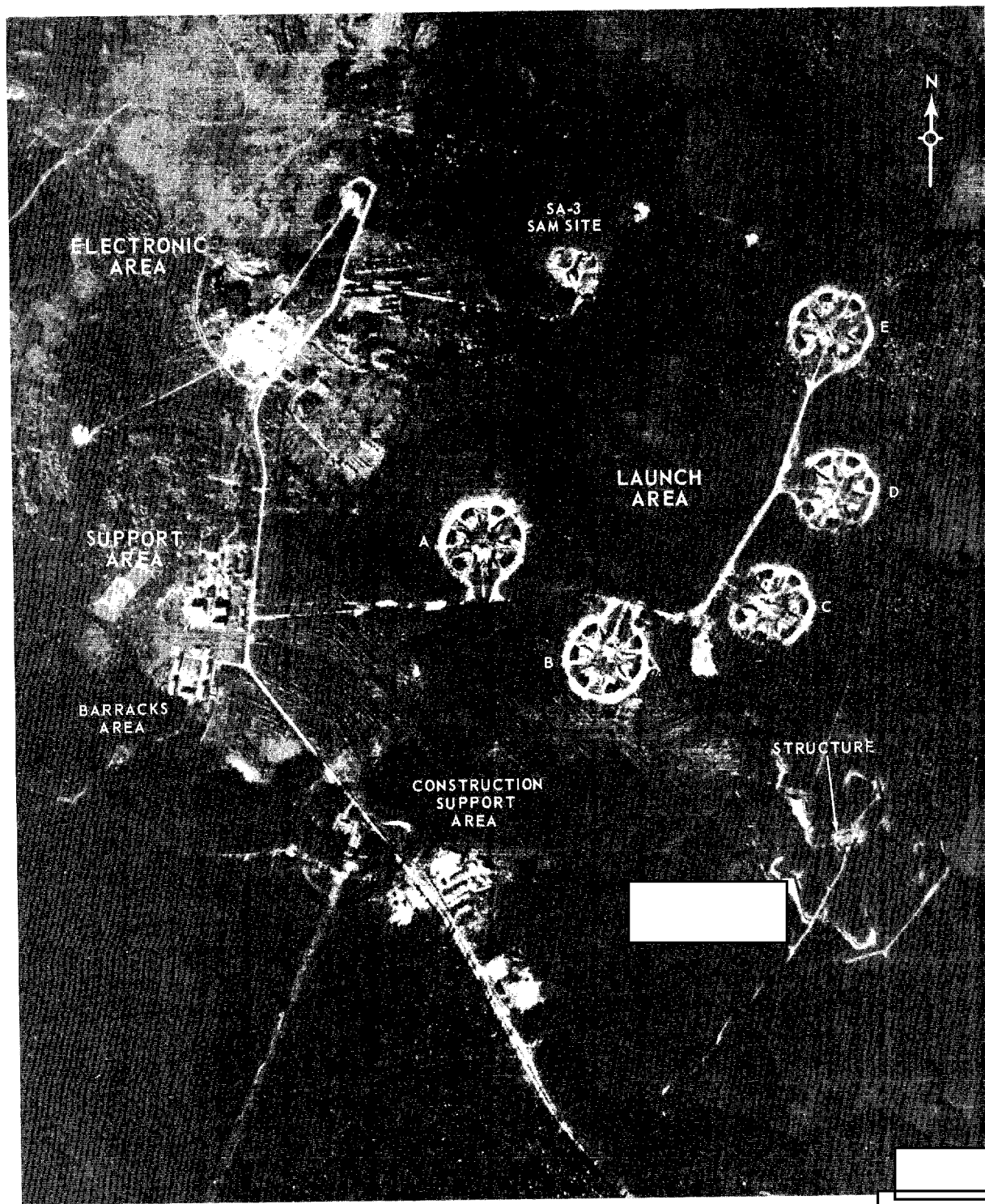


FIGURE 2. LENINGRAD NORTHWEST PROBABLE AMM LAUNCH COMPLEX.

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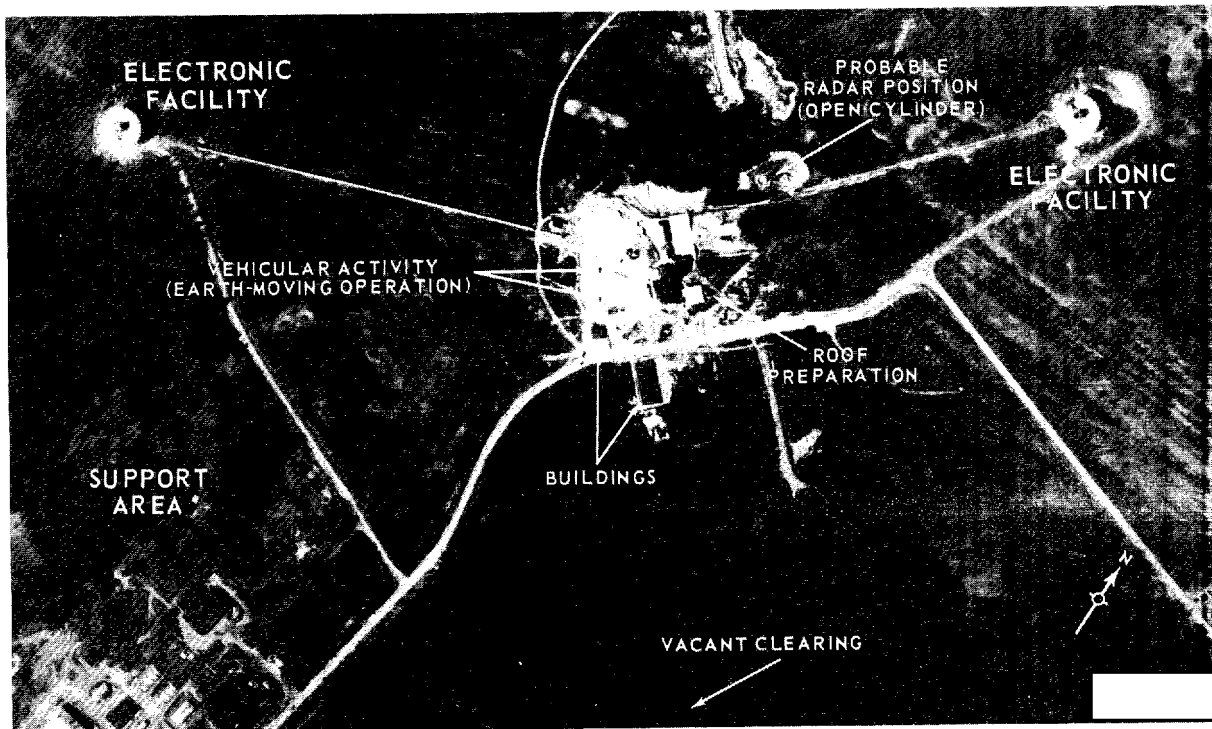
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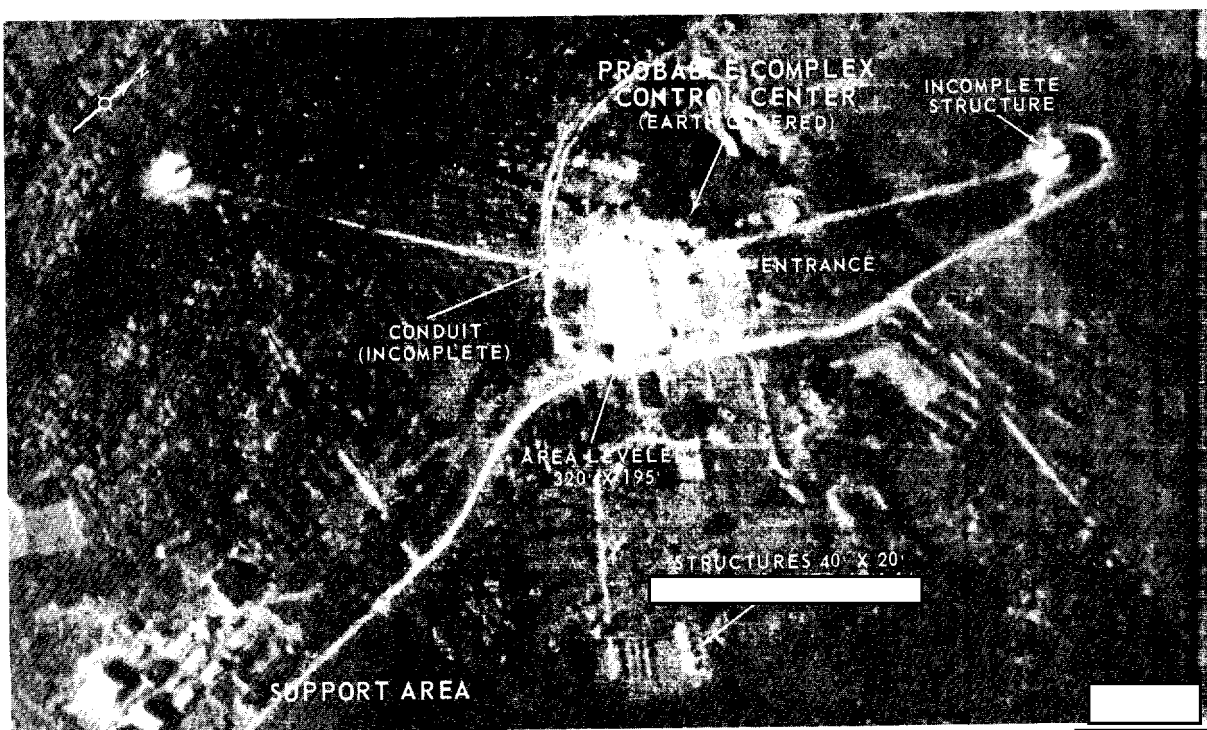
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FIGURE 3. ELECTRONIC AREA, Leningrad Northwest Probable AMM Launch Complex.

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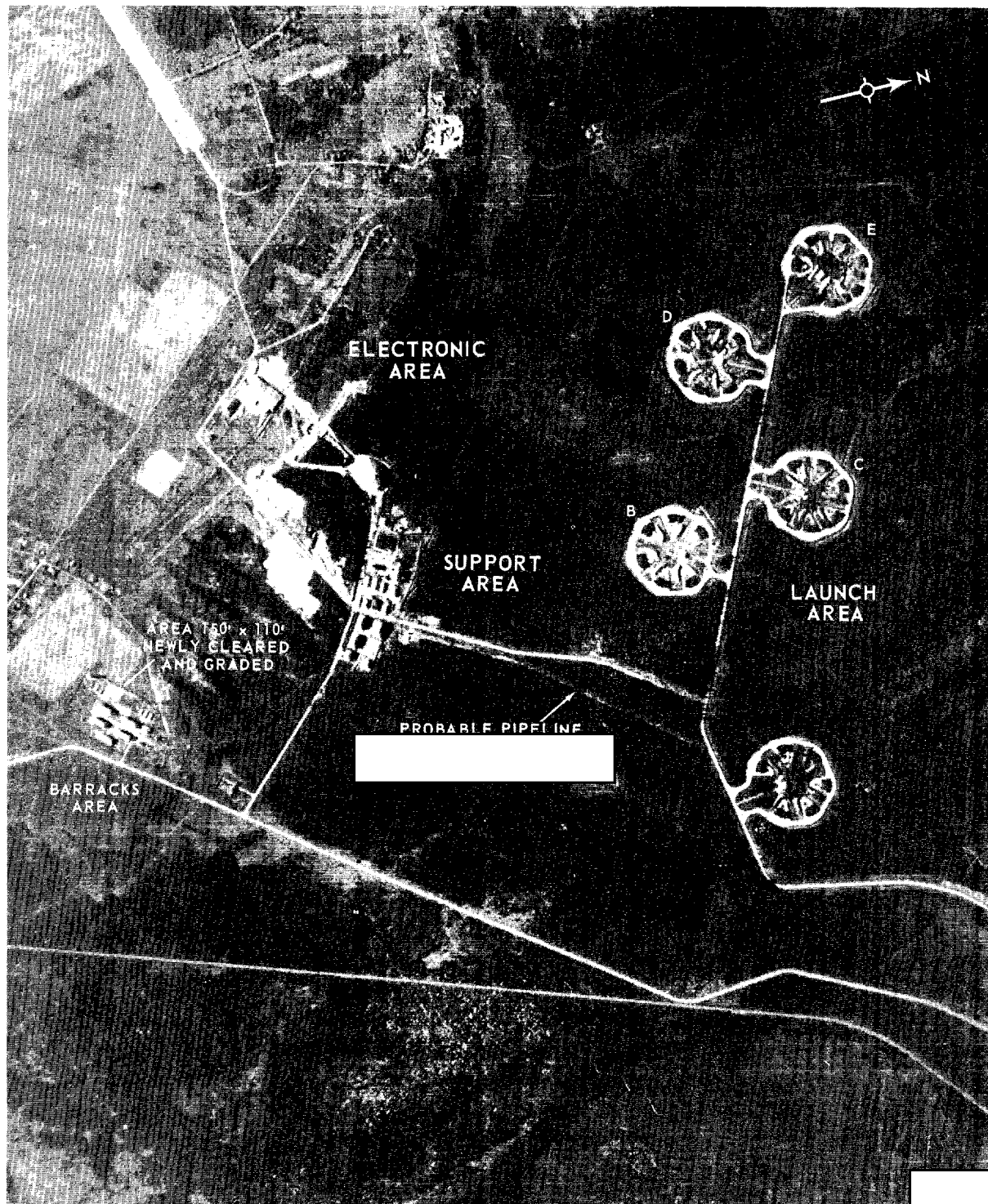
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FIGURE 4. LENINGRAD NORTHEAST PROBABLE AMM LAUNCH COMPLEX.

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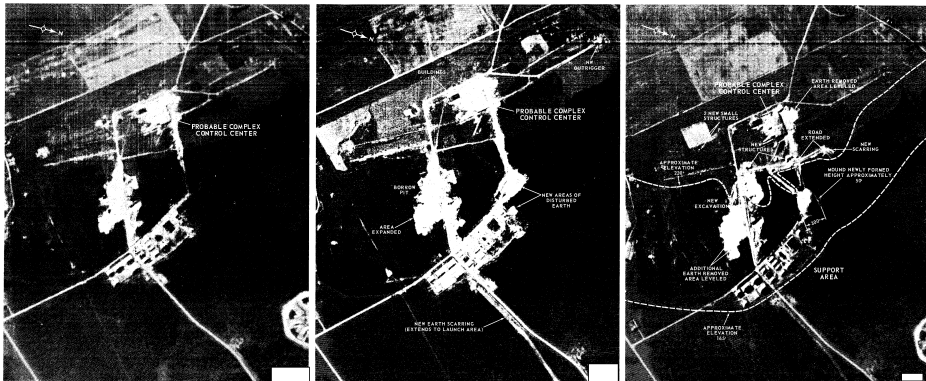


FIGURE 6. COMPARATIVE PHOTOGRAPHY OF ELECTRONIC AND SUPPORT AREAS OF NORTHWEST COMPLEX.

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At least 4 structures, each measuring 40 by 20 feet, aligned in a row in a clearing between the Electronic and Launch Areas, and not present in [redacted] were first observed on photography of [redacted]

#### NORTHEAST COMPLEX

Subsequent to [redacted] the Leningrad Northeast Probable AMM Launch Complex was next observed on [redacted] photography

[redacted] (Figure 5) is included in this report to portray graphically the chronological appearance of new construction activity within the complex.

The [redacted] photography revealed disturbed earth in 2 areas just northwest of the Complex Support Area. No evidence of this activity was observed on photography of [redacted] (Figure 5) and it probably had not been started [redacted] (photography with snow conditions prevailing is not included graphically in this report). A new probable pipeline extending from the Support Area toward Launch Site A, then running parallel to the Launch Area access road to the complex entrance east of Site A, was first observed on [redacted] photography and was not present in [redacted] Additional earth had been removed from a borrow pit southwest of the Support Area (Figure 5) since [redacted]

The Northeast Complex was next observed on good quality stereo [redacted] photography of [redacted] (Figure 4). Construction activity, new since [redacted] has occurred at several locations in the vicinity of the Probable Complex Control Center and the Complex Support Area (Figure 5). The area adjacent to the northwest side of the Probable Control Center has been leveled and additional earth removal has occurred at 2 locations east of the Probable Control Center, 1 approximately 600 feet from

the center and the other on terrain at a lower elevation approximately 500 feet southwest of the Support Area. An earthen mound approximately 50 feet high has been erected since [redacted] just northwest of the Support Area. The entire Electronic Area is situated on terrain at a higher elevation than the Support Area and the base of the new mound.

Additional new developments in the vicinity of the Probable Complex Control Center at the Northeast Complex since [redacted] include the following: a northwest-southeast road approximately 300 feet east of the Probable Control Center has been improved and extended to a point approximately 600 feet northeast of the Center terminating at an area of new ground scarring; 2 new small structures are located along this road, one, L-shaped, is approximately 300 feet east-northeast of the Center; 2 additional new small structures are located between the Center and the southeast outrigger.

Purpose of the new construction activity at the Northeast Complex cannot be established on the basis of current photography. There is a strong possibility that an arrangement of positions is under construction equating to those

Distances between certain of these features and from the new L-shaped structure to the centers of the 5 launch sites are included in an accompanying schematic drawing (Figure 6) as requested.

No apparent change has occurred in the status of the launch sites at the Northeast Complex.

#### SOUTHWEST COMPLEX

[redacted] photography of the Southwest Complex revealed a new road segment and a clearing just east of Launch Site A. These

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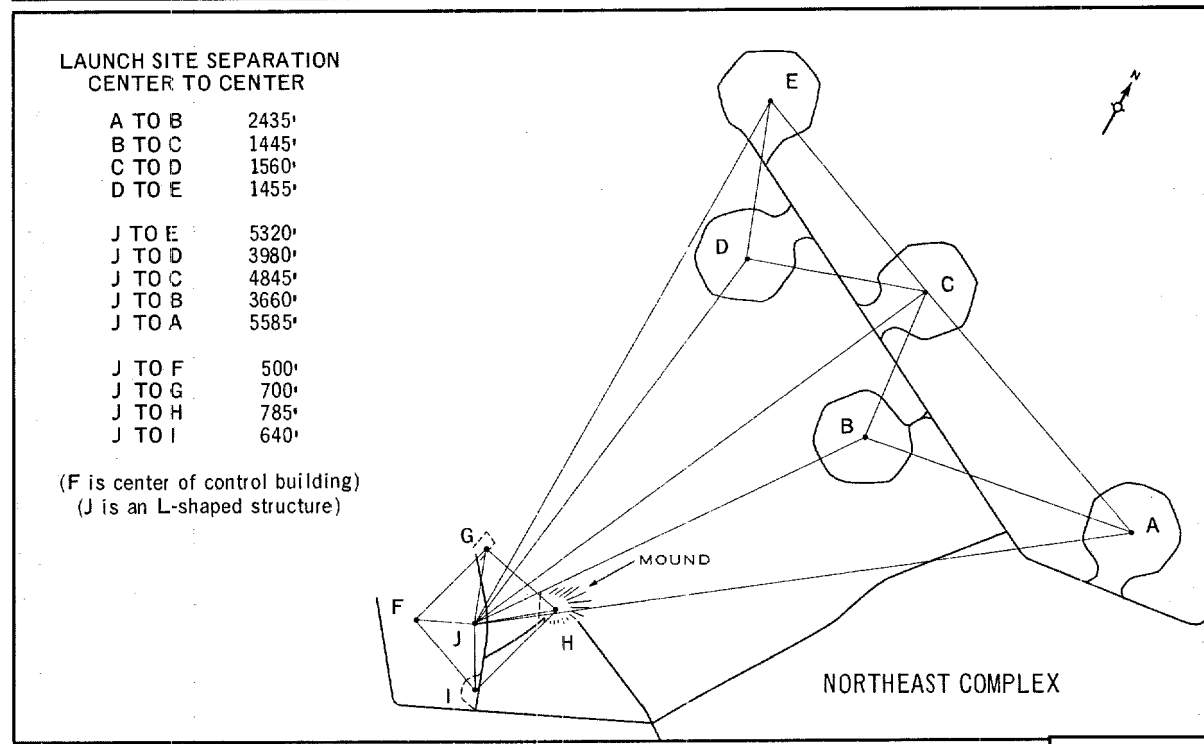
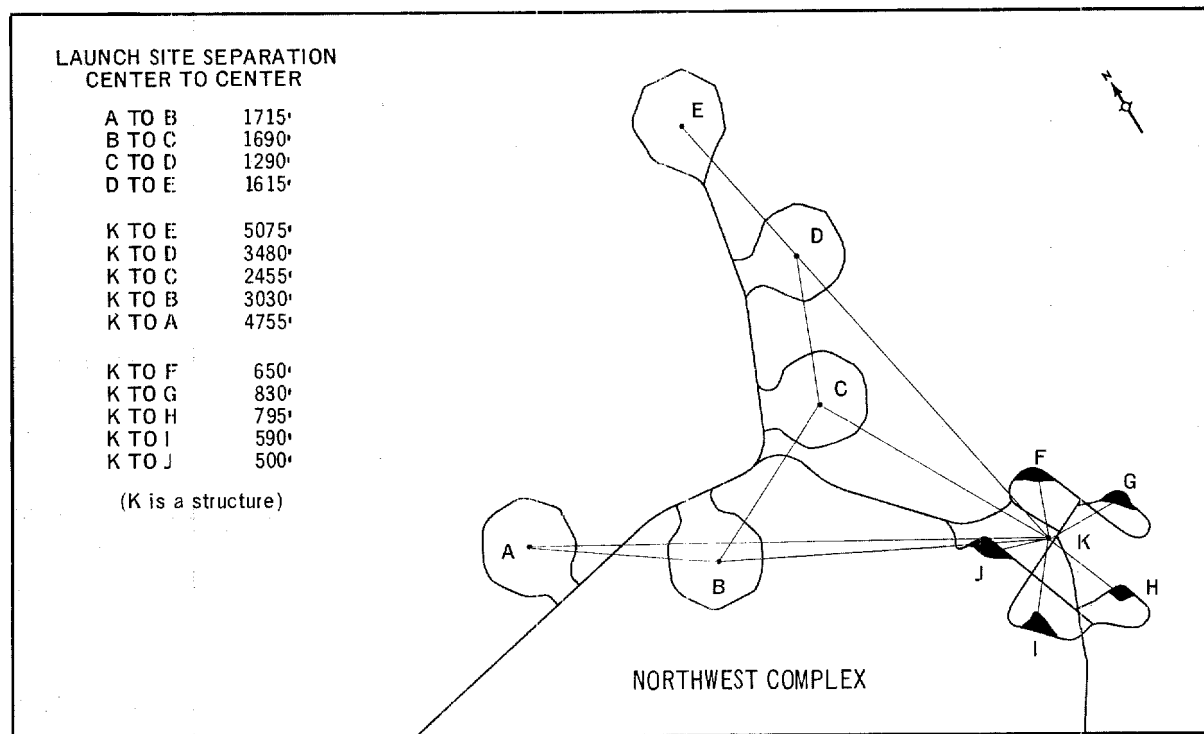


FIGURE 6. SCHEMATIC DRAWING SHOWING DISTANCES BETWEEN SELECTED POINTS WITHIN NORTHWEST AND NORTHEAST COMPLEXES.

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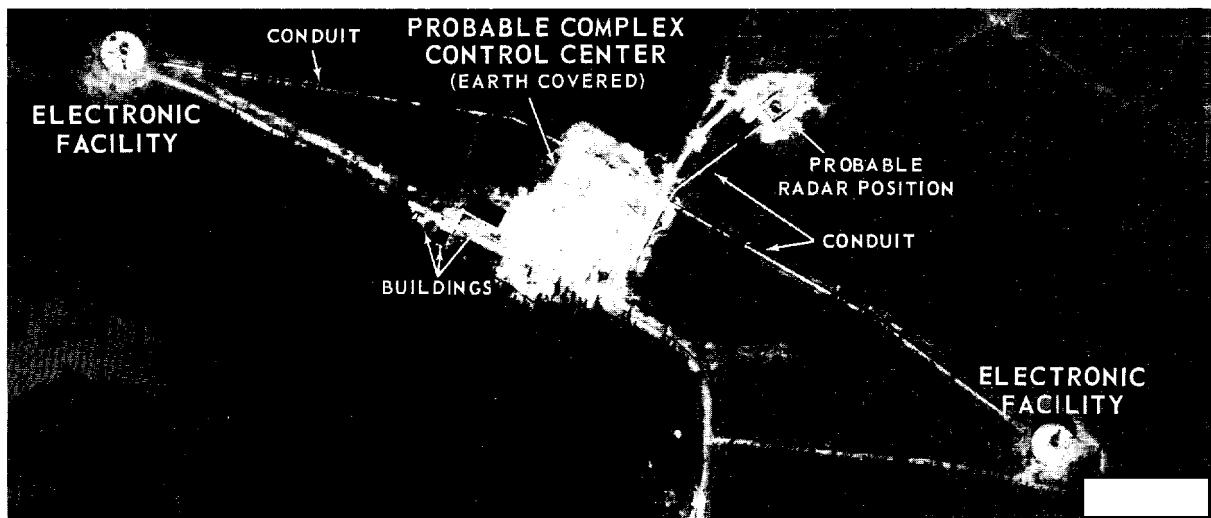
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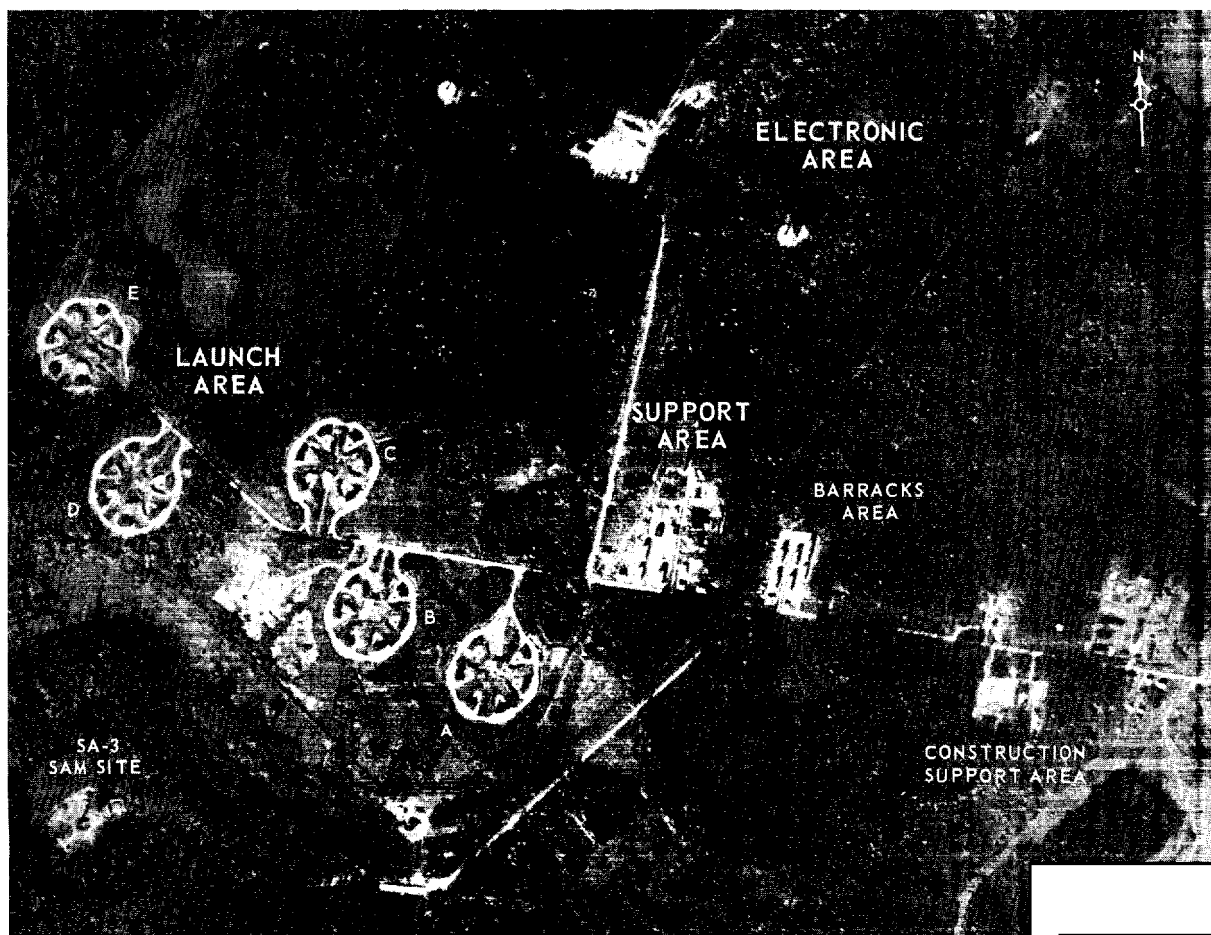
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FIGURE 7. LENINGRAD SOUTHWEST PROBABLE AMM LAUNCH COMPLEX. Top portion shows Electronic Area.

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features were not present when the area was observed on [ ] photography.

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No changes or additions were observed on [ ] photography of the Leningrad Southwest Probable AMM Launch Complex (Figure 7). SA-3 surface-to-air missiles and associated equipment first observed deployed in a clearing west of the Support Area may have been removed; however, poor photographic resolution precludes affirmation.

No missiles, missile-related equipment, or associated radar equipment were identified on current photography of the 3 complexes.

This report is considered a partial response to NPIC Project 11799/64. That portion pertaining to CIA/OSI requirement C-SI4-81,858 for updated line drawings showing recent chronological development of the 3 Leningrad Probable AMM Launch Complexes will be the subject of a separate NPIC report.

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REFERENCES

MAPS OR CHARTS

- ACIC. US Air Target Chart, Series 200, Sheet 0103-24HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0103-25HL, 3d ed, Jun 62, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0153-4HL, 3d ed, May 63, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0153-5HL, 2d ed, Oct 59, scale 1:200,000 (SECRET)

DOCUMENTS

1. NPIC. R-135/62, *Antimissile-Missile Activity in the USSR*, Oct 62 (TOP SECRET [ ])
2. NPIC. R-135/64, *Probable Antimissile-Missile Launch Complexes, Leningrad, USSR, Changes and Additions*, Mar 64 (TOP SECRET [ ])

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REFERENCES (continued)

3. NPIC. R-246/64, *Northeast Probable Antimissile-Missile Launch Complex, Leningrad, USSR*, Mar 64 (TOP SECRET [REDACTED])
4. NPIC. R-439/64, *Southwest Probable Antimissile-Missile Launch Complex, Leningrad, USSR*, [REDACTED] Jun 64 (TOP SECRET [REDACTED])
5. NPIC. R-704/64, *Northwest Probable Antimissile-Missile Launch Complex, Leningrad, USSR*, [REDACTED] Aug 64 (TOP SECRET [REDACTED])
6. NPIC. R-852/64, *Tallinn AMM/SAM Launch Complex and Cherepovets Suspect AMM/SAM Launch Complex, USSR*, Sep 64 (TOP SECRET [REDACTED])

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REQUIREMENTS

- CIA. ORR/C-RR4-81,829
- CIA. ORR/C-RR4-81,829, supplement 1
- CIA. OSI/C-SI4-81,858 (partial answer)

NPIC PROJECT

- 11799/64 (partial answer)

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